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(71)Applicant : **TEIJIN LTD**

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(72)Inventor : **NAKAMURA SATOSHI**  
**KATOU KAKU**  
**SAKUGI TSUKIO**  
**KITAI KAZUO**  
**FUKUOKA MASAMITSU**  
**ICHIKAWA YATARO**

## (54) NEW PHYSIOLOGICALLY ACTIVE POLYPEPTIDE

(57) Abstract:

**PURPOSE:** To obtain a physiologically active polypeptide having antitumor action by providing a structure composed of a specific amino acid sequence of a modified human TNF protein.

**CONSTITUTION:** A polypeptide obtained by using a polypeptide having an amino acid sequence expressed by the formula as an antitumor active polypeptide. The aforementioned polypeptide is prepared by making 7 amino acids deficient in the amino terminal and substituting Pro-Ser-Arg at the 8th to 10th positions with Arg-Lys-Arg, Ala at the 156th position with Phe and further Lys at the 128th position with Gln or Arg in an amino acid sequence of a human TNF. The above-mentioned polypeptide is produced by culturing a microorganism transformed with a recombinant plasmid containing a DNA region capable of coding the aforementioned polypeptide.

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## LEGAL STATUS

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